US NAVY HOSPITAL SHIP
HAVEN

TABLE OF OFFSETS FOR SIDE BLOCKS & BILGE KEEL
INTERVALS GIVEN IN INCREMENTS OF 12'-0"

NO. 3 DOCKING POSITION - AFTER SIDE OF NO. 1 BLOCK 174'-3" FROM REF.

SIDE OF SHIP	BLOCK NO.	FWD. OF AFT END REF. PT.	POINT "A"		POINT "B"		POINT "C"		BEVEL IN 42" FOR A, B OR C	BILGE KEEL	
			HALF BR	HEIGHT	HALF BR	HEIGHT	HALF BR	HEIGHT		DIM. "D"	DIM. "E"
P	1	174'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0	0"		
S		174'-3"									
P	2	186'-3"									
S		186'-3"									
P	3	198'-3"									
S		198'-3"									
P	4	210'-3"	22-6-0	0-0-0	20-6-0	0-0-0	24-6-0	0-0-0			
S		210'-3"									
P	5	222'-3"									
S		222'-3"									
P	6	234'-3"									
S		234'-3"									
P	7	246'-3"									
S		246'-3"									
P	8	258'-3"									
S		258'-3"									
P	9	270'-3"									
S		270'-3"									
P	10	282'-3"									
S		282'-3"									
P	11	294'-3"									
S		294'-3"									
P	12	306'-3"									
S		306'-3"									
P	13	318'-3"									
S		318'-3"									
P	14	330'-3"									
S		330'-3"									
P	15	342'-3"									
S		342'-3"									
P	16	354'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0			
S		354'-3"									
P	17	366'-3"									
S		366'-3"									
P	18	378'-3"									
S		378'-3"									
P	19	390'-3"									
S		390'-3"									

TABLE OF OFFSETS FOR SIDE BLOCKS & BILGE KEEL
INTERVALS GIVEN IN INCREMENTS OF 12'-0"

NO. 2 DOCKING POSITION - AFTER SIDE OF NO. 1 BLOCK 178'-3" FROM REF.

SIDE OF SHIP	BLOCK NO.	FWD. OF AFT END REF. PT.	POINT "A"		POINT "B"		POINT "C"		BEVEL IN 42" FOR A, B OR C	BILGE KEEL	
			HALF BR	HEIGHT	HALF BR	HEIGHT	HALF BR	HEIGHT		DIM. "D"	DIM. "E"
P	1	178'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0	0"		
S		178'-3"									
P	2	190'-3"									
S		190'-3"									
P	3	202'-3"									
S		202'-3"									
P	4	214'-3"	22-6-0	0-0-0	20-6-0	0-0-0	24-6-0	0-0-0			
S		214'-3"									
P	5	226'-3"									
S		226'-3"									
P	6	238'-3"									
S		238'-3"									
P	7	250'-3"									
S		250'-3"									
P	8	262'-3"									
S		262'-3"									
P	9	274'-3"									
S		274'-3"									
P	10	286'-3"									
S		286'-3"									
P	11	298'-3"									
S		298'-3"									
P	12	310'-3"									
S		310'-3"									
P	13	322'-3"									
S		322'-3"									
P	14	334'-3"									
S		334'-3"									
P	15	346'-3"									
S		346'-3"									
P	16	358'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0			
S		358'-3"									
P	17	370'-3"									
S		370'-3"									
P	18	382'-3"									
S		382'-3"									
P	19	394'-3"									
S		394'-3"									

TABLE OF OFFSETS FOR SIDE BLOCKS & BILGE KEEL
INTERVALS GIVEN IN INCREMENTS OF 12'-0"

NO. 1 DOCKING POSITION - AFTER SIDE OF NO. 1 BLOCK 176'-3" FROM REF.

SIDE OF SHIP	BLOCK NO.	FWD. OF AFT END REF. PT.	POINT "A"		POINT "B"		POINT "C"		BEVEL IN 42" FOR A, B OR C	BILGE KEEL	
			HALF BR	HEIGHT	HALF BR	HEIGHT	HALF BR	HEIGHT		DIM. "D"	DIM. "E"
P	1	176'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0	0"		
S		176'-3"									
P	2	188'-3"									
S		188'-3"									
P	3	200'-3"									
S		200'-3"									
P	4	212'-3"	22-6-0	0-0-0	20-6-0	0-0-0	24-6-0	0-0-0			
S		212'-3"									
P	5	224'-3"									
S		224'-3"									
P	6	236'-3"									
S		236'-3"									
P	7	248'-3									
S		248'-3"									
P	8	260'-3"									
S		260'-3"									
P	9	272'-3"									
S		272'-3"									
P	10	284'-3"									
S		284'-3"									
P	11	296'-3"									
S		296'-3"									
P	12	308'-3"									
S		308'-3"									
P	13	320'-3"									
S		320'-3"									
P	14	332'-3"									
S		332'-3"									
P	15	344'-3"									
S		344'-3"									
P	16	356'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0			
S		356'-3"									
P	17	368'-3"									
S		368'-3"									
P	18	380'-3"									
S		380'-3"									
P	19	392'-3"									
S		392'-3"									

TABLE OF OFFSETS FOR SIDE BLOCKS & BILGE KEEL
INTERVALS GIVEN IN INCREMENTS OF 8'-0"

NO. 3 DOCKING POSITION - AFTER SIDE OF NO. 1 BLOCK 174'-3" FROM REF.

SIDE OF SHIP	BLOCK NO	FWD. OF AFT END REF. PT.	POINT "A"		POINT "B"		POINT "C"		BEVEL IN 42" FOR A, B OR C	BILGE KEEL	
			HALF BR	HEIGHT	HALF BR	HEIGHT	HALF BR	HEIGHT		DIM. "D"	DIM. "E"
P	1	174'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0	0"		
S		174'-3"									
P	2	182'-3"									
S		182'-3"									
P	3	190'-3"									
S		190'-3"									
P	4	198'-3"									
S		198'-3"									
P	5	206'-3"									
S		206'-3"									
P	6	214'-3"	22-6-0	0-0-0	20-6-0	0-0-0	24-6-0	0-0-0			
S		214'-3"									
P	7	222'-3"									
S		222'-3"									
P	8	230'-3"									
S		230'-3"									
P	9	238'-3"									
S		238'-3"									
P	10	246'-3"									
S		246'-3"									
P	11	254'-3"									
S		254'-3"									
P	12	262'-3"									
S		262'-3"									
P	13	270'-3"									
S		270'-3"									
P	14	278'-3"									
S		278'-3"									
P	15	286'-3"									
S		286'-3"									
P	16	294'-3"									
S		294'-3"									
P	17	302'-3"									
S		302'-3"									
P	18	310'-3"									
S		310'-3"									
P	19	318'-3"									
S		318'-3"									
P	20	326'-3"									
S		326'-3"									
P	21	334'-3"									
S		334'-3"									
P	22	342'-3"									
S		342'-3"									
P	23	350'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0			
S		350'-3"									
P	24	358'-3"									
S		358'-3"									
P	25	366'-3"									
S		366'-3"									
P	26	374'-3"									
S		374'-3"									
P	27	382'-3"									
S		382'-3"									
P	28	390'-3"									
S		390'-3"									

TABLE OF OFFSETS FOR SIDE BLOCKS & BILGE KEEL
INTERVALS GIVEN IN INCREMENTS OF 8'-0"

NO. 2 DOCKING POSITION - AFTER SIDE OF NO. 1 BLOCK 178'-3 FROM REF.

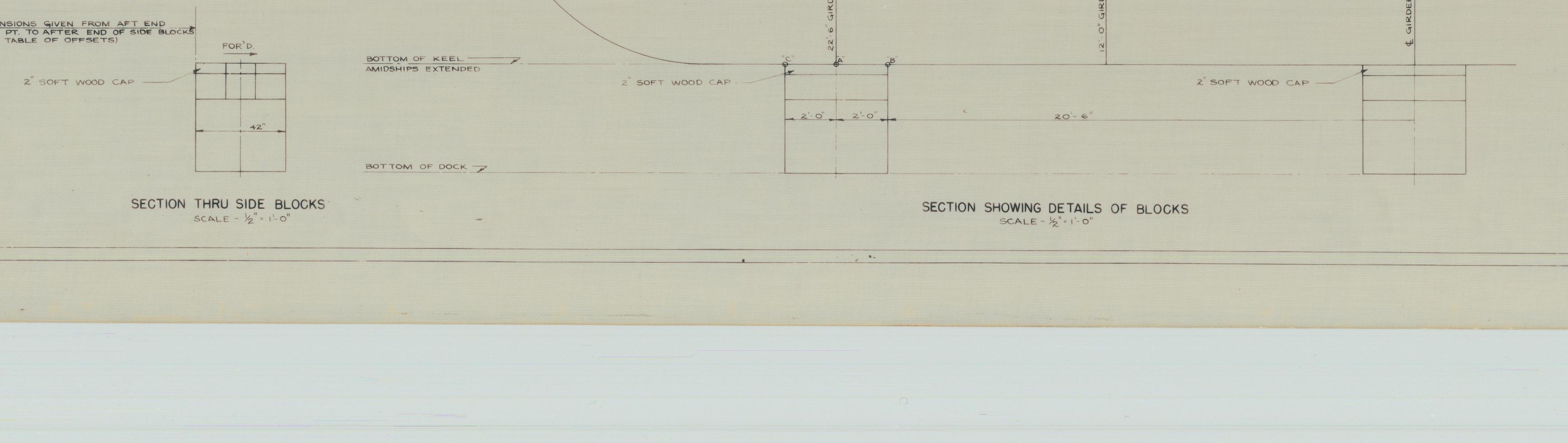
SIDE OF SHIP	BLOCK NO.	FWD. OF AFT END REF. PT.	POINT "A"		POINT "B"		POINT "C"		BEVEL IN 42" FOR A, B OR C	BILGE KEEL	
			HALF BR	HEIGHT	HALF BR	HEIGHT	HALF BR	HEIGHT		DIM. "D"	DIM. "E"
P	1	178'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0	0"		
S		178'-3"									
P	2	186'-3"									
S		186'-3"									
P	3	194'-3"									
S		194'-3"									
P	4	202'-3"									
S		202'-3"									
P	5	210'-3"									
S		210'-3"									
P	6	218'-3"	22-6-0	0-0-0	20-6-0	0-0-0	24-6-0	0-0-0			
S		218'-3"									
P	7	226'-3"									
S		226'-3"									
P	8	234'-3"									
S		234'-3"									
P	9	242'-3"									
S		242'-3"									
P	10	250'-3"									
S		250'-3"									
P	11	258'-3"									
S		258'-3"									
P	12	266'-3"									
S		266'-3"									
P	13	274'-3"									
S		274'-3"									
P	14	282'-3"									
S		282'-3"									
P	15	290'-3"									
S		290'-3"									
P	16	298'-3"									
S		298'-3"									
P	17	306'-3"									
S		306'-3"									
P	18	314'-3"									
S		314'-3"									
P	19	322'-3"									
S		322'-3"									
P	20	330'-3"									
S		330'-3"									
P	21	338'-3"									
S		338'-3"									
P	22	346'-3"									
S		346'-3"									
P	23	354'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0			
S		354'-3"									
P	24	362'-3"									
S		362'-3"									
P	25	370'-3"									
S		370'-3"									
P	26	378'-3"									
S		378'-3"									
P	27	386'-3"									
S		386'-3"									
P	28	394'-3"									
S		394'-3"									

TABLE OF OFFSETS FOR SIDE BLOCKS & BILGE KEEL
INTERVALS GIVEN IN INCREMENTS OF 8'-0"

NO. 1 DOCKING POSITION - AFTER SIDE OF NO. 1 BLOCK 176'-3" FROM REF.

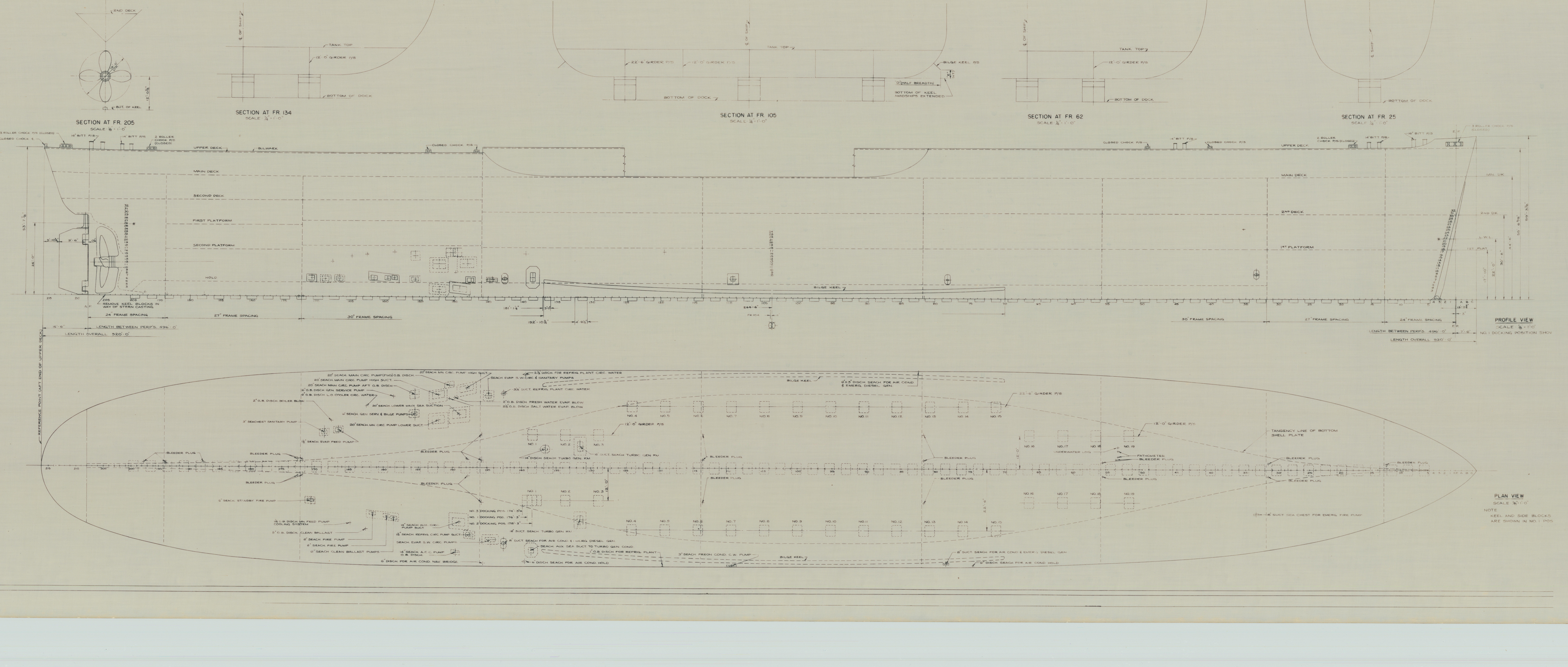
SIDE OF SHIP	BLOCK NO.	FWD. OF AFT END REF. PT.	POINT "A"		POINT "B"		POINT "C"		BEVEL IN 42" FOR A, B OR C	BILGE KEEL	
			HALF BR	HEIGHT	HALF BR	HEIGHT	HALF BR	HEIGHT		DIM. "D"	DIM. "E"
P	1	176'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0	0"		
S		176'-3"									
P	2	184'-3"									
S		184'-3"									
P	3	192'-3"									
S		192'-3"									
P	4	200'-3"									
S		200'-3"									
P	5	208'-3"									
S		208'-3"									
P	6	216'-3"	22-6-0	0-0-0	20-6-0	0-0-0	24-6-0	0-0-0			
S		216'-3"									
P	7	224'-3"									
S		224'-3"									
P	8	232'-3"									
S		232'-3"									
P	9	240'-3"									
S		240'-3"									
P	10	248'-3"									
S		248'-3"									
P	11	256'-3"									
S		256'-3"									
P	12	264'-3"									
S		264'-3"									
P	13	272'-3"									
S		272'-3"									
P	14	280'-3"									
S		280'-3"									
P	15	288'-3"									
S		288'-3"									
P	16	296'-3"									
S		296'-3"									
P	17	304'-3"									
S		304'-3"									
P	18	312'-3"									
S		312'-3"									
P	19	320'-3"									
S		320'-3"									
P	20	328'-3"									
S		328'-3"									
P	21	336'-3"									
S		336'-3"									
P	22	344'-3"									
S		344'-3"									
P	23	352'-3"	12-0-0	0-0-0	10-0-0	0-0-0	14-0-0	0-0-0			
S		352'-3"									
P	24	360'-3"									
S		360'-3"									
P	25	368'-3"									
S		368'-3"									
P	26	376'-3"									
S		376'-3"									
P	27	384'-3"									
S		384'-3"									
P	28	392'-3"									
S		392'-3"									

NOTE- DOCKS WHICH HAVE 16'-0" SPACED BEARERS FOR SIDE BLOCKS SHALL USE ODD NUMBERED BLOCKS ONLY (ALL POSITIONS)


DIMENSIONS GIVEN FROM AFT END REF. PT. TO AFTER END OF SIDE BLOCKS (SEE TABLE OF OFFSETS)
FOR'D.
2" SOFT WOOD CAP
BOTTOM OF KEEL AMIDSHIPS EXTENDED
22'-6" GIRDER P/S
12'-0" GIRDER P/S
℄ GIRDER
2" SOFT WOOD CAP

SECTION THRU SIDE BLOCKS

SECTION SHOWING DETAILS OF BLOCKS



LIST OF ALL OPENINGS IN SHELL BELOW D. W. L.

ITEM NO	SERVICE	SIZE OF HOLE IN SHELL	OUTER PL. (PROTECTOR RING)	SIDE OF SHIP	FW'D	AFT	FRAME NR. C'TR	FW'D. OF A.O.A TO ℄ OPEN'G	DIST. OFF ℄ SHIP	HEIGHT AB'V KEEL TO ℄ OP'N'G	REFERENCES
1	BLEEDER PLUG			P	8"		198	37'-2"	19"	15"	
2	BLEEDER PLUG			P	8"		194	45'-2"	15"	4½"	
3	BLEEDER PLUG			P	8"		188	58'-8"	1'-9"	4"	
4	BLEEDER PLUG (AH 14 ONLY)			S		16"	172	92'-8"	3'-0"		
5	BLEEDER PLUG (AH 14 ONLY)			P		16"	172	92'-8"	3'-0"		
6	BLEEDER PLUG			S	8"		172	94'-8"	3'-0"		
7	BLEEDER PLUG			P	8"		172	94'-8"	3'-0"		
8	6" SEACH. STANDBY FIRE PUMP		4'-0" x 3'-9" x 3/4" DBL	S		15"	170	97'-9"	11'-10½"	6'-7"	
9	3" SEACH. SANITARY PUMP		4'-0" x 3'-9" x 3/4" DBL	P		15"	168	102'-9"	12'-8"	6'-2"	
10	2" O.B. DISCH. BOILER BLOW	2" DIA. HOLE		P	15"		168	105'-3"	17'-0"	12'-5"	
11	1½" SEACH. EVAP. FEED PUMP		4'-0" x 3'-11" x 11/16" DBL	P		14½	166	107'-9½"	13'-9"	6'-2½"	
12	1¼" O.B. DISCH. MN. FEED PUMP COOL. SYS	1¼" D. HOLE		S	9"		165	112'-3"	20'-4½"	14'-8½"	
13	6" O.B. DISCH. L.O. COOLER CIRC. WATER	6" D. HOLE		P	15"		163	117'-9"	22'-4½"	15'-3"	
14	5" O.B. DISCH CLEAN BALLAST	5" D. HOLE		S	15"		163	117'-9"	22'-6"	15'-5"	
15	6" SEACHEST FIRE PUMP	2'-3" x 21" HOLE		S		14½	161	120'-3½"	16'-5½"	6'-5"	
16	6" SEACHEST FIRE PUMP	2'-2" x 21" HOLE		S		15"	159	125'-3"	17'-7"	6'-4½"	
17	6" O.B. DISCH. GEN. SERVICE PUMP	7½" D. HOLE		P	15"		159	127'-9"	25'-10"	16'-2 7/8"	
18	6" SEACHEST CLEAN BALLAST PUMPS	2'-4" x 21" HOLE	3/4" DBL.	S	15"		159	127'-9"	18'-1½"	6'-4½"	
19	6" SEACH. GEN. SERV. & BILGE PUMPS		4'-0" x 3'-11" x 3/4" DBL	P		15"	155	135'-3"	19'-7"	6'-2"	
20	20" SEACH. MN. CIRC. PUMP (AFT) O.B. DISCH		3'-6" x 4'-3" x 3/4 DBL	P		16½	155	135'-1½"	26'-8"	14'-9"	
21	20" SEACH. MN. CIRC. PUMP HIGH SUCT.		7'-0" x 7'-2 3/8" x 3/4" DBL	P	½"		152	144'-0½"	26'-8"	11'-10"	
22	20" SEACH. MN. CIRC. PUMP LOW SUCT.		7'-5" x 6'-8 3/8" x 3/4" DBL	P		½"	152	143'-11½"	17'-6½"	2'-7½"	
23	20" SEACH. MN. CIRC. PUMP (FWD) O.B. DISC.		3'-6" x 4'-3" x 3/4" DBL	P	16"		151	147'-10"	30'-2"	15'-11"	
24	2½" O.B. DISCH. S.W. EVAP. BLOW	2½" D. HOLE		P	16"		151	147'-10"	25'-2"	8'-10"	
25	2" O.B. DISCH. F.W. EVAP. BLOW	2" D. HOLE		P	11"		150	149'-11"	28'-8"	8'-10"	
26	14" SEACH. A.C.C. PUMP O.B. DISCH.		3'-0" x 3'-0" x 3/4" DBL	S		13"	149	150'-5"	30'-9	16'-0"	
27	14" SEACH. AUX. CIRC. PUMP SUCT.		7'-5" x 6'-8 3/8" 3/4" DBL	S			149	151'-6"	19'-6"	3'-1"	
28	20" SEACH. LOWER MN SEA SUCT.		7'-5" x 6'-8 3/8" x 3/4 DBL	P		½"	149	151'-5½"	19'-6"	3'-1"	
29	20" SEACH. MN. CIRC PUMP HIGH SUCT.		7'-0" x 7'-2 3/8" x 3/4" DBL	P	½"		148	154'-0½"	29'-0"	12'-0"	
30	BLEEDER PLUG (AH 14 ONLY)			S	8"		148	154'-8"	3'-0"		
31	BLEEDER PLUG			P	8"		148	154'-8"	3'-0"		
32	1½" SEACH. REFRIG. CIRC. PUMP SUCT.		4'-0" x 3'-10" x 3/4" DBL	S		14½	147	155'-3½"	24'-4"	6'-0"	
33	BLEEDER PLUG			P	8"		146	159'-8"	3'-0"		
34	BLEEDER PLUG			S	8"		146	159'-8"	12'-6"		
35	BLEEDER PLUG			P	8"		146	159'-8"	12'-6"		
36	6" DISCH. FOR AIR COND. NAV. BRIDGE	6 11/16" D. HOLE		S	15"		146	160'-3"	34'-9"	23'-0 5/8"	
37	SEACH. EVAP. S.W. CIRC. PUMPS		6'-3" x 4'-0" x 3/4" DBL	S	17¼"		145	162'-11¼"	26'-3"	6'-2 3/4"	
38	SEACH. EVAP. S.W.C. & SANITARY PUMPS		4'-3" x 4'-0" x 3/4" DBL	P	6½"		145	162'-0½"	26'-3"	6'-5"	
39	8" SUCT. SEACH. AIR COND. & EMERG. D.G.		2'-3 1/8" x 3'-4" x 3/4" DBL	S		16 3/8"	142	167'-7 5/8"	27'-6 3/8"	6'-6 1/8"	
40	3½" SUCT. REFRIG. PLANT CIRC. WATER		17½" x 17¼" x 3/4" DBL	P		15 7/8	142	167'-8 1/8"	27'-2"	6'-0 7/8"	
41	2½" DISCH. REFRIG. PLANT CIRC. WATER	3 3/4" D. HOLE		P	15"		140	175'-3"	34'-0"	15'-6"	
42	6" DISCH. SEACH. FOR AIR COND. HOLD	7 3/8" D. HOLE		S	15"		140	175'-3"	34'-0"	15'-6"	
43	SEACH. AUX. SEA SUCT. TO TURBO GEN. COND.		4'-10" x 8'-0" x 3/4" DBL	S	15"		139	177'-9"	30'-0"	6'-10"	
44	14" DISCH. SEACH. TURBO GEN. ROOM		3'-0" x 2'-8" x 3/4" DBL	P		16 3/4"	136	182'-7¼"	6'-11"		
45	16" SUCT. SEACH. TURBO GEN. ROOM		4'-8½" x 6'-9" x 3/4" DBL	S		15"	131	195'-3"	19'-1"	5/8" BELOW	
46	16" SUCT. SEACH. TURBO GEN. ROOM		4'-8½" x 6'-9" x 3/4" DBL	P		15"	131	195'-3"	7'-7½"	5/8" BELOW	
47	1" O.B. DISCH. FOR REFRIG. PLANT	1" D. HOLE		S		15"	119	225'-3"	35'-9 7/8"	16'-6"	
48	BLEEDER PLUG			S	3¼"		114	239'-3¼"	12'-6"		
49	BLEEDER PLUG			P	3¼"		114	239'-3¼"	12'-6"		
50	BLEEDER PLUG			P	8"		114	239'-8"	3'-0"		
51	3" SEACH. FREON COND. C.W. PUMP		4'-6" x 3'-5" x 3/4" DBL	S		15"	109	250'-3"	35'-5"	6'-10½"	
52	6" x 3" DISCH. SEACH. AIR COND. & EMERG. D.G.	5 3/4" D. HOLE		P		18"	82	317'-6"	35'-9¼"	23'-0 5/8"	
53	BLEEDER PLUG			P	8"		82	319'-8"	12'-6"		
54	BLEEDER PLUG			S	8"		82	319'-8"	12'-6"		
55	BLEEDER PLUG			P	8"		82	319'-8"	3'-0"		
56	8" SUCT. SEACH. AIR COND. & EMERG. D.G.		2'-3 1/8" x 3'-4" x 3/4" DBL	S	15"		79	327'-9"	34'-7"	6'-8 3/4"	
57	6" DISCH. SEACH. FOR AIR COND. HOLD	7 3/8" D. HOLE		S	15"		75	337'-9"	35'-3"	14'-6½"	
58	BLEEDER PLUG			S	8"		56	384'-8"	2'-6"		
59	BLEEDER PLUG			P	8"		56	384'-8"	2'-6"		
60	BLEEDER PLUG			P	8"		54	389'-8"	3'-6"		
61	UNDERWATER LOG (AH 13 ONLY)	3" D. HOLE		P		17"	53	390'-1"	8'-0"	0¼"	
62	FATHOMETER	12 1/8" D.		P		15"	53	390'-3"	6'-10½"	0 1/8"	
63	FATHOMETER	12 1/8" D.		P		15"	53	390'-3"	4'-4½"	0 1/8"	
64	8" SUCT. SEACH. FOR EMERG. FIRE PUMP		2'-3 1/8" x 3'-4" x 3/4" DBL	S		15"	33	440'-3"	16'-2½"	8'-11¼"	
65	BLEEDER PLUG			P	8"		32	444'-8"	2'-6"		
66	BLEEDER PLUG			S	8"		32	444'-8"	2'-6"		
67	BLEEDER PLUG			P	8"		13	487'-5"	2'-0"		

* DENOTES OPENINGS WHICH INTERFERE WITH KEEL OR SIDE BLOCKS

BEARING ON BLOCKS

SUPPORT	BEARING ON SHELL PLATING		
	8'-0" SPACED BEARERS	12'-0" SPACED BEARERS	16'-0" SPACED BEARERS
SIDE BLOCKS 42" x 48"	54432 SQ. IN. 378 SQ. FT.	76608 SQ. IN. 532 SQ. FT.	54432 SQ. IN. 378 SQ. FT.
KEEL BLOCKS 42" x 48" (65) 42" x 30" (AVE) (14)	148680 SQ. IN. 1032 SQ. FT.	148680 SQ. IN. 1032 SQ. FT.	148680 SQ. IN. 1032 SQ. FT.
TOTAL BEARING	203112 SQ. IN. 1410 SQ. FT.	225288 SQ. IN. 1564 SQ. FT.	203112 SQ. IN. 1410 SQ. FT.
BEARING PER SQ. IN. BLOCKING	169.8#	153.1#	169.8#
BEARING PER SQ. FT. BLOCKING	24,465# OR 10.9T.	22,056# OR 9.8T	24,465# OR 10.9T.
FULL LOAD DISPLACEMENT = 15,400 TONS, 34,496,000 LBS.			

TABLE OF DISPLACEMENT AND OTHER PROPERTIES FOR DOCKING

MEAN DRAFT (FT.)	NO CORRECTIONS FOR TRIM						
	DISPLACEMENT (TONS)	APPR'X. MOMENT TO CHANGE TRIM ONE INCH (FT. TONS)	C.B. FOR'D OF STERN REF. POINT (FT.)	TONS PER INCH IMMERSION	L.C.F. FOR'D OF STERN REF. POINT	DISTANCE OF L.C.F. FROM ⊗ (FT) FOR'D	AFT
13	7740	1230	274.6'	55.8	270.0'	5.5	
14	8400	1240	274.2	56.2	269.8'	5.3	
15	9100	1255	273.8	56.7	269.1'	4.6	
16	9800	1270	273.5	57.0	268.5'	4.0	
17	10480	1286	273.1	57.4	267.8'	3.3	
18	11200	1306	272.8	57.8	267.0'	2.5	
19	11900	1322	272.4	58.2	266.3'	1.8	
20	12600	1345	272.1	58.6	265.5'	0.5	
21	13300	1365	271.7	59.1	264.6'	0.1	
22	14000	1390	271.3	59.4	263.7'		0.8
23	14700	1412	270.9	59.8	262.7'		1.8
24	15400	1440	270.5	60.3	261.6'		2.9
25	16170	1468	270.1	60.7	260.5'		4.0

2

CRITICAL DIMENSIONS

LENGTH BETWEEN PERPENDICULARS ______ 496'-0"
LENGTH OVERALL ______ 520'-0"
BREADTH (EXTREME) 71'-7¾"
DISPLACEMENT - LIMITING LOAD (24'-0") 15,400 T.
FIRST SIDE BLOCK IS: ______ FROM STERN REF. PT.
NO. 1 DOCKING POSITION ______ 176'-3"
NO. 2 DOCKING POSITION ______ 178'-3"
NO. 3 DOCKING POSITION ______ 174'-3"

GENERAL NOTES

1. DRAFT MARKS-
   (A) ARABIC NUMERALS REPRESENT NAVIGATIONAL DRAFTS. ROMAN NUMERALS REPRESENT HEIGHT ABOVE BOTTOM OF FLAT KEEL, AMIDSHIPS EXTENDED
   (B) CORRECTIONS TO DRAFT READINGS FOR CALCULATIVE PURPOSES IS __0__ INCHES FORWARD, __0__ INCHES AMIDSHIPS, __0__ INCHES AFT.

2. DIMENSIONS-
   (A) LONGITUDINAL LOCATIONS OF ALL ITEMS ARE GIVEN FROM STERN REFERENCE POINT. (AFT END OF UPPER DECK AT CENTER LINE)
   (B) HEIGHTS OF ALL ITEMS ARE GIVEN FROM THE BOTTOM OF THE KEEL, AMIDSHIPS EXTENDED.
   (C) LONGITUDINAL LOCATIONS & HEIGHTS OF SIDE BLOCKS ARE TAKEN TO THE AFTER SIDE OF BLOCKS.

3. COMPLETE PAINTING OF HULL-
   (A) IN ORDER TO CLEAN & PAINT THE ENTIRE BOTTOM OF THE VESSEL IN THREE SUCCESSIVE DOCKINGS, THE FOLLOWING POSITIONS OF THE VESSEL ARE NECESSARY.
   (1) POSITION NO. 1
   AFTER END OF UPPER DECK (POINT OF REFERENCE) IS PLACED 176'-3" AFT OF AFTER SIDE OF NO. 1 SIDE BLOCK.
   (2) POSITION NO. 2
   AFTER END OF UPPER DECK (POINT OF REFERENCE) IS PLACED 178'-3" AFT OF AFTER SIDE OF NO. 1 SIDE BLOCK.
   (3) POSITION NO. 3
   AFTER END OF UPPER DECK (POINT OF REFERENCE) IS PLACED 174'-3" AFT OF AFTER SIDE OF NO. 1 SIDE BLOCK.
   (B) REPEAT CYCLE OF POSITIONS BY ASCERTAINING THE POSITION OF THE VESSEL AT ITS LAST DOCKING.

4. APPENDAGES-
   (A) IN DETERMINING THE HEIGHT OF KEEL BLOCKS, CARE IS TO BE TAKEN THAT ALL APPENDAGES CLEAR THE BOTTOM OF THE DOCK.
   (B) NO BLOCKS TO BE PLACED IN WAY OF RUDDER OR OTHER APPENDAGES

5. BLOCKING-
   (A) THE BLOCKING SHOWN ON THIS PLAN IS THAT REQUIRED FOR BLOCKING UNDER ORDINARY UNDAMAGED CONDITIONS FOR 8'-0", 12'-0, OR 16'-0" SPACED BEARERS IN DRYDOCK.
   (B) KEEL BLOCKS
   (1) PLAN SHOWS KEEL BLOCKS ARRANGED IN PIERS CONSISTING OF THREE 14" x 14" HARD WOOD TIMBERS MOUNTED WITH 2" MINIMUM THICKNESS SOFT WOOD CAP BLOCKS. LONGITUDINAL SPACING TO BE 6'-0" CENTER TO CENTER WITH 30" CLEAR SPAN BETWEEN PIERS.
   (2) NO BLOCKS OR SHORES ARE REQUIRED UNDER ORDINARY CONDITIONS OF DOCKING UNDER THE BOW FORWARD OF FR. 5 AND THE STERN AFT OF FR. 200.
   (3) IN THE EVENT THAT PIER BLOCK ARRANGEMENT IS NOT PROVIDED, KEEL BLOCKS SHALL BE PLACED 2'-0" CENTER TO CENTER. BLOCKS SHOULD BE CRIBBED FOR 30'-0" AT THE BOW IF TRIM IS EXCESSIVE BY THE BOW, AND 30'-0" AT THE STERN IF TRIM IS EXCESSIVE BY THE STERN.
   (C) SIDE BLOCKS
   (1) SIDE BLOCKS SHOWN ON THIS PLAN ARE IN NO. 1 DOCKING POSITION FOR 12'-0" SPACED BEARERS.
   (2) SIDE BLOCKS SHALL BE LOCATED P & S AS INDICATED IN TABLE OF OFFSETS IN ACCORDANCE WITH BEARER SPACING OF DOCK.
   (3) SOFT WOOD CAPS ARE REQUIRED.
   (4) THE TABLE OF OFFSETS WILL PERMIT DOCKING FROM PLAN IN DOCKS WHICH HAVE 8'-0", 12'-0", OR 16'-0" BEARER SPACING. BLOCK SPACING OF 12'-0" OR 16'-0" ONLY ARE REQUIRED. WHEN DOCKING VESSELS OFF CENTER IN DOCKS WHICH HAVE 8'-0" BEARER SPACING, IT IS PERMISSIBLE TO STAGGER THE BLOCKS USING ODD NUMBERED BLOCKS ON ONE SIDE & EVEN NUMBERED ON THE OTHER.
   (5) SIDE BLOCKS ARE NUMBERED FROM AFT TO FORWARD WITH THE AFTER BLOCK AS NO. 1.

REFERENCES

NO.	TITLE	CONTR. NO.	BU. SH. NO.
1	CURVES OF FORM	SUN S.B. DR. NO. 340-700E-A	BOSTON NO. 31947
2	MOULD LOFT OFFSETS	SUN S.B. SK. NO. 340-700D-0A	BOSTON NO. 31955
3	BU. SHIPS AUTH. LTR. S7(633) EN28/A2-11 OF 4 AUG. 1948		

REVISION DATE	DESCRIPTION

FINISHED PLAN

EXAMINED	
OFFICIAL	SIGNATURE

NOTES-

1. THIS PLAN IS FOR GENERAL GUIDANCE ONLY, DIMENSIONS AND OTHER DATA DO NOT APPLY TO ANY SPECIFIC VESSEL. PLAN WAS DEVELOPED FROM PLANS APPLICABLE TO AH 12-17 AND SHOULD BE CHECKED FOR VARIATIONS FOR EACH SHIP OF THE CLASS.
2. THE HALF BREADTH AND LONGITUDINAL POSITIONS OF ALL SIDE BLOCKS INDICATED ON DOCKING PLAN OF FIRST VESSEL OF A CLASS SHALL BE MAINTAINED FOR ALL SUBSEQUENT VESSELS OF THAT CLASS.
3. WHERE THE DEVIATION OF THE KEEL FROM THE BOTTOM OF THE KEEL AMIDSHIPS EXTENDED EXCEEDS 5/8", A PROFILE SHOWING THE DEVIATION OF THE KEEL IN SUCH AREAS SHALL BE INCLUDED. IN ADDITION, THE ARBITRARY BASELINE FOR DETERMINING THE CORRECTIONS TO DRAFT READINGS FOR CALCULATIVE PURPOSES SHALL BE SHOWN.
4. THE NOTES IN THIS COLUMN ARE NOT TO APPEAR ON FINISHED DOCKING PLANS.
5. ADDITIONAL GENERAL NOTES MAY BE ADDED IF REQUIRED.
6. THIS PLAN PREPARED IN ACCORDANCE WITH BU. SHIPS LTR. S7(633) EN28/A2-11 OF 4 AUG. 1948.

THIS PLAN APPLIES AS A GUIDANCE DOCKING PLAN TO THE FOLLOWING VESSELS: AH 12-17

REVISION	DATE	DESCRIPTION	BY
2	5-3-50	LONG. CENTER OF FLOT. ADDED TO "TABLE OF DISPL. & OTHER PROP. FOR DOCKING AS PER BU. SHIPS LTR. S7(611) EN28/A2-11 SER 611-555 28 MAR 1950	C
1	4-28-49	MOORING BITTS AND CHOCKS ADDED TO PROFILE VIEW AS PER BU. SHIPS LTR. AH/S7(633-517) EN28/A2-11 OF 4 APRIL 1949.	G.J.A.

GUIDANCE PLAN

BOSTON NAVAL SHIPYARD
BOSTON, MASS.

HOSPITAL SHIP
GUIDANCE DOCKING PLAN
AH 12 CLASS

EXAMINED	
OFFICIAL	SIGNATURE
HEAD ENG'R.	S. Egan
DEPUTY HEAD ENG'R.	
SECT. SUP'V.	W.L.B.
GROUP SUP'V.	C. Warchol
REVIEWED	P. TURCO
TRACED	
DRAWN	G. J. ANGLIN

APPROVED C. A. Mayo Jr. DESIGN SUPERINTENDENT DATE 21 MAR 1949

APPROVED BY NAVY DEPARTMENT BUREAU OF SHIPS DATE ______
______ FOR CHIEF OF BUREAU

BUREAU OF SHIPS NO.

AH 12	S0700	665466	ALT. 2

SCALE: 1/8" = 1' & AS SHOWN SHEET 1 OF 1

sh
S1
(5-23 0436/50

ISSUES	1949
	4-27
ALT.	1
BUSHIPS	1 c/8
PTSMH.	1/0
N. Y.	1/0
PHILA.	1/0
NORF.	1/0
CHAS.	1/0
LONG BEACH	1/0
CODE	